Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/11/2021 09:04 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124856	-1	2.37	124902	2.37
Blue	F	SSC	125000	124380	-1	3.34	125223	3.27
Blue	E	FITC	14203	13883	-3	2.82	301	15.03
Blue	D	PE	25703	25546	-1	2.50	552	10.46
Blue	B	PerCP-Cy5-5	42104	41329	-2	3.21	923	14.51
Blue	A	PE-Cy7	34646	34086	-2	4.42	490	28.56
Red	C	APC	49824	49133	-2	3.03	1499	11.38
Red	A	APC-Cy7	39773	38849	-3	3.05	730	11.55
Violet	B	V450	7447	7124	-5	3.76	402	11.77
Violet	A	V500	31193	30151	-4	3.56	687	9.68

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21844	2.66	545	-11	N/A	N/A	Pass
Blue	F	SSC	55157	2.98	512	0	N/A	N/A	Pass
Blue	E	FITC	55	51.89	483	-3	0.0414	70	Pass
Blue	D	PE	109	37.53	485	0	0.3956	268	Pass
Blue	B	PerCP-Cy5-5	180	34.21	576	-1	0.0193	8	Pass
Blue	A	PE-Cy7	112	62.23	619	-1	0.0230	1	Pass
Red	C	APC	349	23.62	568	1	0.0281	79	Pass
Red	A	APC-Cy7	201	24.42	544	0	0.0065	816	Pass
Violet	B	V450	89	37.89	450	1	0.0548	1480	Pass
Violet	A	V500	120	25.73	468	1	0.0261	199	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.11	-31.92	1.00
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.39
Red	20.94	15.99 - 23.99	N/A	N/A	30.29	30.53	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9541

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments